

ADDITIONS AND CORRECTIONS OF THE PREVIOUS
LAND PLANARIAN INDICES OF THE WORLD
(TURBELLARIA, SERIATA, TRICLADIDA, TERRICOLA)
ADDITIONS AND CORRECTIONS OF THE PREVIOUS
LAND PLANARIAN INDICES OF THE WORLD - 5

by

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INTRODUCTION

In the previous publications of the Land Planarian Indices Series, "Additions and Corrections" are included with the following papers by OGREN & KAWAKATSU (1988 a, pp. 3-12; 1989, p. 91; 1991, p. 98) and OGREN, KAWAKATSU & FROEHLICH (1992, pp. 62-89; 1993 b, pp. 80-83; 1994, pp. 73-86; 1995, pp. 79-85). This paper is a continuation from the sections in the previous papers cited above.

Publications, publishing years and paginations are shown as follows: BFC25 = Bull. Fuji Women's College, No. 25, Ser. II, in 1987 (BIPALIIDAE); BFC26 = *Ibid.*, No. 26, Ser. II, in 1988 (RHYNCHODEMIDAE, Part I: Rhynchodeminae); BFC27 = *Ibid.*, No. 27, Ser. II, in 1989 (RHYNCHODEMIDAE, Part II: Microplaninae); BFC28 = *Ibid.*, No. 28, Ser. II, in 1990 (GEOPLANIDAE, Part I: Geoplaninae); BFC29 = *Ibid.*, No. 29, Ser. II, in 1991 (GEOPLANIDAE, Part II: Caenoplaninae and Pelmatoplaninae); BFC30 = *Ibid.*, No. 30, Ser. II, in 1992 (GEOPLANIDAE, Part II: Caenoplaninae and Pelmatoplaninae - A Continuation); BFC30 = *Ibid.*, No. 30, Ser. II, in 1992 (Additions and Corrections of the Previous Land Planarian Indices of the World); BFC31 = *Ibid.*, No. 31, Ser. II, in 1993 (Additions and Corrections, etc. Addendum I); BFC31 = *Ibid.*, No. 31, Ser. II, in 1993 (Additions and Corrections, etc. Addenda II and III); BFC32 = *Ibid.*, No. 32, Ser. II, in 1994 (Additions and Corrections, etc. - 3); BFC33 = *Ibid.*, No. 33, Ser. II, in 1995 (Additions and Corrections, etc. - 4); OP = Occasional Publications, Biol. Lab., Fuji Women's College, No. 19, in 1988 (Additions and Corrections, BIPALIIDAE). Citations in full of these publications are shown in each subheading in the text of this paper (see also "References").

ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF
THE WORLD (TURBELLARIA, TRICLADIDA, TERRICOLA) - 5

A. BIPALIIDAE INDEX (1987: Bull. Fuji Women's College, No. 25, Ser. II, pp. 79-119).
(1988: Occ. Publ., Biol. Lab. Fuji Women's College, No. 19, pp. 1-16;

1992 : Bull. Fuji Women's College, No. 30, Ser. II, pp. 62–75 ;
 1993 : *Ibid.*, No. 31, Ser. II, pp. 80–81 ; 1994 : *Ibid.*, No. 32, Ser. II, pp. 73–76 ;
Ibid., No. 33, Ser. II, pp. 79–81.)

BFC25. P. 87. *Bipalium fuscatum* Stimpson, 1857. Add the following items.

Bipalium fuscatum (kuroi-kôgaibiru) : Gotô, 1967 : 32. Tanabe, Wakayama pref.,
 Honshû / Japan.

Bipalium fuscatum (kuroiro-kôgaibiru) : Hiura, 1972 : 6 (102). Mt. Katsuragi, Ôsaka Pref.,
 Honshû / Japan.

Bipalium fuscatum (kuroiro-kôgaibiru) : Hiura, 1976 : 6 (82). Mt. Nijôsan, Ôsaka Pref.,
 Honshû / Japan.

Bipalium fuscatum ? : Yamamoto, 1996 : 35–36, figs. 1 (map), 2 (right, pharynx and DH),
 38, pl. 2, figs. A–D (DB, DH and locality in Shimabara City), 39, fig. 3 B
 (chromosomes), 40, fig. 4 B (idiogram). Shimabara, Kyûshû / Japan.

BFC25. Pp. 87–88. *Bipalium fuscolineatum* Kaburaki, 1922. Add the following items.

Bipalium sp. : Shirasawa & Makino, 1995 : 28.

Bipalium fuscolineatum : Shirasawa & Makino, 1996 a : 71–75, 77, pl. 1, figs. 1–3 (HI).
 Kôshoku, Nagano Pref., Honshû / Japan.

BFC25. Pp. 91–93. *Bipalium kewense* Moseley, 1878. Add the following items.

Bipalium kewense : Reisinger, 1923 : 9, 14–15, fig. 4 a (DB), 52, 56, 63.

Bipalium kewense : Ax & Schulz, 1959 : 619. Fragmentation.

Bipalium kewense : Daly & Matthews, 1982 : 148–152, figs. 1–2 (physiological graphs).
 The metropolitan Little Rock–North Little Rock area, Arkansas / U. S. A.

Bipalium kewense : Sluys, Joffe & Cannon, 1995 : 642. Australia.

Bipalium kewense : Johns & Boag, 1996 : 48. New Zealand.

Bipalium kewense ? : Yamamoto, 1996 : figs. 1 (map), 2 (middle, DH), 37, pl. 1, figs. A–D
 (DB, DH, etc.), 39, figs. 3 C–D (chromosomes), 40, fig. 4 C–D (idiograms). Nagasaki,
 Kyûshû / Japan.

BFC25. P. 97. *Bipalium nobile* Kawakatsu et Makino, 1982. Add the following items.

Bipalium sp. : Shirasawa & Makino, 1995 : 28.

Bipalium nobile : Koike, 1996 : 25–26, fig. 1 (DB). Numata, Gunma Pref., Honshû /
 Japan.

Bipalium nobile : Shirasawa & Makino, 1996 a : 71–75, 78, pl. 2, figs. 4–6 (HI), 82, pl. 6,
 figs. 22–27 (HI). Hino, near Tôkyô, Honshû / Japan.

Bipalium sp. : Shirasawa & Makino, 1996 b : 119.

Bipalium nobile : Shirasawa & Makino, 1996 c : 26. Tôkyô / Japan.

Bipalium nobile : Yamamoto, 1996 : 35–36, figs. 1 (map), 2 (left, DH), 39, fig. 3 A
 (chromosomes), 40, fig. 4 A (idiogram). Kinkai-chô, Nagasaki Pref., Kyûshû / Japan.

BFC25. P. 98. *Bipalium pennsylvanicum* Ogren, 1987. Add the following items.

Bipalium sp. : Shirasawa & Makino, 1995 : 28.

Bipalium pennsylvanicum : Shirasawa & Makino, 1996 a : 71–75, 79–81, pls. 3–5, figs.
 8–21 (HI). Hino, near Tôkyô, Honshû / Japan.

BFC25. Pp. 107–111. Undescribed Species. Add the following items.

Bipalium sp. of Eastern Himalaya (India). Patra & Aditya, 1996.

Bipalium sp. : Patra & Aditya, 1996 : 73. Sonada and Darjeeling, eastern part of Himalayas (alt. 1676–2042 m), India.

Bipalium sp. of Ushimado (near Okayama, Japan). Katayama, Nishioka & Yamamoto, 1995.

Tricladida–Terricola : Katayama, Nishioka & Yamamoto, 1995 : 34. Ushimado, near Okayama, Honshû / Japan.

Tricladida–Terricola : Katayama, Nishioka & Yamamoto, 1996 a : 111.

Bipalium sp. : Katayama, Nishioka & Yamamoto, 1996 b : 747–754, figs.1–3 (sequences of 18S rDNA and phylogenetic trees).

Note : According to Dr. Katayama's personal information, her material of terrestrial planarian used for the analysis of 18S rDNA sequences has 3 or more longitudinal stripes on the dorsal side of the body. In their "poster" displayed at the 8th ISBT (Brisbane ; Abstract No. 82), the name of "*Bipalium tri-lineatum*" was employed. However, this Japanese species described by Stimpson (1857) is a species inquirenda.

Notes on the Taxonomic Revision of the Family Bipaliidae

Concerning the taxonomic revision of the family Bipaliidae Stimpson, 1857, Ogren (1996) proposed an idea in his lecture given at the VIIIth ISBT : Selected characters of the copulatory organs in the land planarian family Bipaliidae and their significance (Tricladida, Terricola)(Brisbane ; Abstract No. 43 on p. 69). The manuscript of this lecture will be printed in the Symposium Publication by Ogren & Sluys (Hydrobiologia).

B. RHYNCHODEMIDAE INDEX, PART I : RHYNCHODEMINAE

(1988 : Bull. Fuji Women's College, No. 26, Ser. II, pp. 39–91 ;

1992 : *Ibid.*, No. 30, Ser. II, pp. 75–78 ; 1993 : *Ibid.*, No. 31, Ser. II, p. 81 ;

1994 : *Ibid.*, No. 32, Ser. II, p. 76 ; *Ibid.*, No. 33, Ser. II, p. 81).

BFC26. Pp. 64–65. *Platydemus manokwari* de Beauchamp, 1962. Add the following items.

Platydemus manokwari : Eldredge & Smith, 1995 : 11, fig. (map showing the worldwide distribution).

Platydemus manokwari : Winsor, 1996 : 100. Townsville / Australia.

BFC26. Pp. 78–81. *Rhynchodemus sylvaticus* (Leidy, 1851). Add the following items.

Rhynchodemus bilineatus : Reisinger, 1923 : 15.

Rhynchodemus sylvaticus : Jones, Allen, Becket & Gault, 1996 : 26. U. K.

C. RHYCHODEMIDAE INDEX, PART II : MICROPLANINAE

(1989 : Bull. Fuji Women's College, No. 27, Ser. II, pp. 53–111 ;

1992 : *Ibid.*, No. 30, Ser. II, pp. 78–80 ; 1993 : *Ibid.*, No. 31, Ser. II, pp. 81–82 ;

1994 : *Ibid.*, No. 32, Ser. II, pp. 76–77 ; *Ibid.*, No. 33, Ser. II, p. 81).

BFC27. Pp. 66–67. *Microplana humicola* Vejdovský, 1890. Add the following items.

Microplana humicola : Reisinger, 1923 : 14–5.

Microplana humicola : Jones, Allen, Becket & Gault, 1996 : 26. U. K.

BFC27. Pp. 70–71. *Microplana scharffi* (von Graff, 1896). Add the following item.

Microplana scharffi : Jones, Allen, Becket & Gault, 1996 : 25–26. U. K.

BFC27. Pp. 72–77. *Microplana terrestris* (Müller, 1774). Add the following items.

Rhynchodemus terrestris : Reisinger, 1923 : 14, fig. 5 (DB), 15, fig. 4 b (DB), 45.

Microplana terrestris : Jones, Allen, Becket & Gault, 1996 : 25. U. K.

D. GEOPLANIDAE INDEX, PART II : CAENOPLANINAE AND PELMATOPLANINAE

(1991 : Bull. Fuji Women's College, No. 29, Ser. II, pp. 25–102 ;

1992 : *Ibid.*, No. 30, Ser. II, p. 89 ; 1993 : *Ibid.*, No. 31, Ser. II, pp. 82–83 ;

1994 : *Ibid.*, No. 32, Ser. II, pp. 77–82 ; *Ibid.*, No. 33, Ser. II, pp. 81–82).

BFC29. P. 41. *Artioposthia triangulata* (Dendy, 1895). Add the following items.

Artioposthia triangulata : Sluys, Joffe & Cannon, 1995 : 642.

Artioposthia triangulata : Edwards, 1996 : 5. Southern Scotland / U. K.

Artioposthia triangulata : Johns & Boag, 1996 : 48. New Zealand.

Artioposthia triangulata : Jones, 1996 a : 52. New Zealand ; Northern Ireland ; Scotland, England ; Republic of Ireland / U. K.

Artioposthia triangulata : Jones, 1996 b : 11–13, photos (DB, cocoons), fig. 1A (map showing the distribution in the U. K.). U. K.

Artioposthia triangulata : Jones, Allen, Becket & Gault, 1996 : 26–28. U. K.

Artioposthia triangulata : Jones & Boag, 1996 : 955–956, 959–960. New Zealand ; U. K.

BFC29. Pp. 61–62. *Australoplana alba* (Dendy, 1891). Continued from the synonymy for *Caenoplana alba* (Dendy, 1891). Add the following items. Cf. BFC31, p. 74 : *Australoplana sanguinea alba* (Dendy, 1891).

A third species of foreign flatworm : Edwards, 1996 : 5, photo (DB) and feeding behavior. Edinburgh, Scotland / U. K.

Caenoplana alba : Edwards, 1996 : 5. Southwest England / U. K.

Australoplana sanguinea var. *alba* : Johns & Boag, 1996 : 48. New Zealand.

Caenoplana alba (?) : Jones, 1996 a : 52. England, Wales, Northern Ireland, and Scotland ; Republic of Ireland / U. K.

Coenoplana alba or *Coenoplana sanguinea* : Jones, 1996 b : 11–13, photos (DB, feeding behavior), fig. 1B (map showing the distribution in the U. K.). Spelling error. U. K.

Coenoplana sanguinea : Jones, 1996 : 11. Spelling error. See above.

Australoplana (*Coenoplana*) *sanguinea* Moseley var. *alba* Dendy : Jones, Allen, Becket & Gault, 1996 : 26–28. Spelling error. U. K.

Australoplana sanguinea : Jones, Allen, Becket & Gault, 1996 : 27–28.

Australoplana alba : Jones & Boag, 1996 : 955–957. U. K.

Coenoplana alba : Jones & Boag, 1996 : 960. Spelling error.

Note : Jones & Boag (1996) reported the distribution of New Zealand and Australian flatworms in the British Isles (*Artioposthia triangulata* and *Caenoplana alba*, or *Australoplana alba*) based upon the data of their field survey in Scotland (1991–1993) and a national survey, MEGALAB WORMS (1995). The descriptions of these surveys with figures (figs. 1–14 : distribution maps and graphs) are found on pp. 959–974 of the paper cited above. Cf. Jones (1966 a).

BFC29. P. 44. *Australopacifica coxii* (Fletcher et Hamilton, 1888). Add the following item.

Coenoplana coxii : Jones, Allen, Becket & Gault, 1996 : 26. Spelling error. U. K.

BFC29. Pp. 62–63. *Caenoplana coerulea coerulea* Moseley, 1877. Add the following item.

- Caenoplana coerulea* : Johns & Boag, 1996 : 48. New Zealand.
- BFC29. P. 79. *Kontikia andersoni* Jones, 1981. Add the following item.
Kontikia andersoni : Jones, Allen, Becket & Gault, 1996 : 26. U. K.
- BFC29. P. 83. *Kontikia mexicana* (Hyman, 1939). Add the following items.
Kontikia mexicana : Jones, Johns & Winsor, 1996 : 53.
- Note : These authors considered *Kontikia mexicana* is a synonym of *Parakontikia ventrolineata*. See *Parakontikia ventrolineata* in this publication.
- BFC29. P. 42. *Parakontikia atrata* (Steel, 1897). Continued from the synonymy for *Australopacifica atrata* (Steel, 1897). Add the following item. Cf. BFC31, p. 76 : *Parakontikia atrata* (Steel, 1897).
Parakontikia atrata : Johns & Boag, 1996 : 48. New Zealand.
- BFC29. P. 84. *Parakontikia ventrolineata* (Dendy, 1892). Continued from the synonymy for *Kontikia ventrolineata* (Dendy, 1892). Add the following items. Cf. BFC31, pp. 76–77 : *Parakontikia ventrolineata* (Dendy, 1892).
Parakontikia ventrolineata : Johns & Boag, 1996 : 48. New Zealand.
Parakontikia ventrolineata : Johns, Johns & Winsor, 1996 : 53. Johannesburg / South Africa.
- Note : In the Brisbane Symposium Abstract by Jones, Johns & Winsor (1996), they considered that *Kontikia mexicana* (Hyman, 1939) is a synonym of *Parakontikia ventrolineata*. At present, the former is listed as *Kontikia mexicana* in the present publication. Concerning the taxonomic problem mentioned here, Ogren sent 2 letters to Dr. Jones (June 27 and August 12, 1996). A more detailed discussion will be made after the Brisbane Symposium papers are published.

REFERENCES

The previous publications of this Land Planarian Indices Series are as follows : OGREN & KAWAKATSU (1987, 1988a, b, 1989, 1990, 1991, 1992) and OGREN, KAWAKATSU & FROELICH (1992, 1993a, b). For "References" in this Series, see OGREN & KAWAKATSU (1987, pp. 111–118 ; 1988a, pp. 12–14 ; 1989, pp. 91–106 ; 1992, pp. 33–46) and OGREN, KAWAKATSU & FROELICH (1992, pp. 89–97 ; 1993b, pp. 85–86 ; 1994, pp. 82–85 ; 1995, pp. 79–85). The papers listed in the previous publications mentioned above are excluded from the following "References".

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JONES, H. D., 1996a. MEGALAB WORMS – The distribution of New Zealand and “Australian” terrestrial flatworms in the British Isles. VIII ISBT Program / Abstracts (Brisbane / Australia : Aug. 18–23, 1996), p. 52. 1996 b. Alien flatworms. (UK faces invasion of killer worms / Earthworms under threat from invader / Wanted dead or alive / Kill the kiwi cannibal.) Biol. Sci. Review 8 (4) : 11–13.

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82 (+ pls. 1-6). (In Japanese, with English summary.) Note: These authors used *Bipalium fuscolineatum*, *Bipalium nobile* and *Bipalium pennsylvanicum* for their experiments. Thus, "*Bipalium* sp." in the English title of their paper means "three species of *Bipalium*". 1996 b. Light and electron microscopical studies on the ovary (germarium) in Tricladida, Terricola (*Bipalium* sp.). VIII ISBT Program / Abstracts (Brisbane / Australia : Aug. 18-23, 1996), p. 119. 1996 c. The ultrastructure of the germarium in land planarian, *Bipalium nobile*. Zool. Sci., Tôkyô, 13-Suppl. : 26.

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